

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2015 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>MA0012</b>	Overall LMA Rating	Total LMA Miles						
<b>Sutter Maintenance Yard Maintenance Area 0012</b>	<b>A</b>	<b>11.06</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					1.15			
Animal Control	0.01		0.01	0.09%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.07	0.08		
<i>LMA Totals:</i>	0.01	0.00	0.01	0.09%	1.22	0.08	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2015 Levee Inspection Results**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Drain			Left	11.06
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/11/2015 - 03/11/2015		09/15/2015 - 09/15/2015	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_MA0012_01_s_2013_12				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	13	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Operations & Maintenance Manuals				°	
					°	
DWR ID	DWR_MA0012_01_s_2013_13					
Action/Comments						
Inspector Comments: The LMA has the O&M manuals.						

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_MA0012_01_s_2013_14				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	0.23	Rating **	M	Issue No.	207
LM End	0.23	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.035889 °	39.035889 °
				-121.996882 °	-121.996882 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44933 DS_ID:17145 EP_NO: 9381 FS_HLM: 0.24 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/4/2015 Abandoned crossing.Need to verify proper abandonment of pipe.7/16/2013 Same as last inspection.12/16/2013 Same as last inspection.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 05/05/2015					

Photo 1 of 1 : UCIP\_FA\_2015\_6765.jpg



36-inch concrete riser on LS toe.

LM Start	0.49	Rating **	U	Issue No.	208
LM End	0.49	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.039413 °	39.039413 °
				-121.997766 °	-121.997766 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44939 DS_ID:17146 EP_NO: 9382 FS_HLM: 0.502 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/4/2015 WS flap gate is blocked by sediment and unable to open. LS inlet is about 50% plugged with soil. Needs to be cleaned.Pipe is partially filled with soil.7/16/2013 Sediment is built up against WS flapgate preventing it from opening.12/16/2013 Sediment against flapgate has been cleared and it can now function properly.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below the crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). Asbuilt available 50-4-3081. FS Date: 05/05/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6766.jpg



Inlet and concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	<b>0.49</b>	Rating **	U	Issue No.	<b>208 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.039413 °	39.039413 °
				-121.997766 °	-121.997766 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44939  
 DS\_ID:17146  
 EP\_NO: 9382  
 FS\_HLM: 0.502  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 5/4/2015 WS flap gate is blocked by sediment and unable to open. LS inlet is about 50% plugged with soil. Needs to be cleaned. Pipe is partially filled with soil. 7/16/2013 Sediment is built up against WS flapgate preventing it from opening. 12/16/2013 Sediment against flapgate has been cleared and it can now function properly. 6/17/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch CM drain pipe through levee, 13.0 feet below the crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959). Asbuilt available 50-4-3081.  
 FS Date: 05/05/2015

LM Start	<b>0.49</b>	Rating **	U	Issue No.	<b>208 (cont)</b>
LM End	<b>0.49</b>	Issue Type +	En	Location *	N/A

Photo 2 of 3 : UCIP\_FA\_2015\_6767.jpg



Outlet at WS toe.

Photo 3 of 3 : UCIP\_FA\_2015\_6768.jpg



Intake at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	1.69	Rating **	U	Issue No.	209
LM End	1.69	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.055711 °	39.055711 °
				-122.003252 °	-122.003252 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44945					
DS_ID:17149					
EP_NO: 9382					
FS_HLM: 1.727					
Repair Type: Urgent					
Crossing Status: Found					

LM Start	<b>1.69</b>	Rating **	U	Issue No.	<b>209 (cont)</b>
LM End	<b>1.69</b>	Issue Type +	En	Location *	N/A

Photo 1 of 3 : UCIP\_FA\_2015\_3744.jpg



Concrete U shaped headwall at LS inlet.

Photo 2 of 3 : UCIP\_FA\_2015\_3745.jpg



Inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	1.69	Rating **	U	Issue No.	209 (cont)
LM End	1.69	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.055711 °	39.055711 °
				-122.003252 °	-122.003252 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44945					
DS_ID:17149					
EP_NO: 9382					
FS_HLM: 1.727					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_3746.jpg



Outlet on WS toe.

LM Start	1.77	Rating **	U	Issue No.	210
LM End	1.77	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.056847 °	39.056847 °
				-122.003288 °	-122.003288 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44954 DS_ID:17150 EP_NO: 9387 FS_HLM: 1.81 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/4/2015 WS flapgate mostly underwater but could tell it was blocked open by something. LS inlet is located about 1/4 mile north along the side of the roadway.No inlet could be located on LS. Flap gate partially blocked and will not close completely.7/16/2013 Same as last inspection. Was told inlet is about 1/4 mile down road way next to house. Will try to get coordinates for inlet.12/16/2013 Pipe was flowing water and flap gate was bing pushed open. Cannot verify if it will close all the way.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959). FS Date: 05/05/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_3747.jpg



Flap gate and concrete headwall at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	<b>1.77</b>	Rating **	U	Issue No.	<b>210 (cont)</b>
LM End	<b>1.77</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.056847 °	39.056847 °
				-122.003288 °	-122.003288 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44954  
DS\_ID:17150  
EP\_NO: 9387  
FS\_HLM: 1.81  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 5/4/2015 WS flapgate mostly underwater but could tell it was blocked open by something. LS inlet is located about 1/4 mile north along the side of the roadway.No inlet could be located on LS. Flap gate partially blocked and will not close completely.7/16/2013 Same as last inspection. Was told inlet is about 1/4 mile down road way next to house. Will try to get coordinates for inlet.12/16/2013 Pipe was flowing water and flap gate was bing pushed open. Cannot verify if it will close all the way.6/17/2014 Same as last inspection.  
FIELD\_STRUCT\_DESC: 48-inch drain pipe through the levee 20.0 feet below crown. Slide gate in 60-inch pipe riser on waterward slope. Flap gate and concrete headwall on waterward side. (Permit No. 9387 - Christenson). Originally included in O+M manual (1959).  
FS Date: 05/05/2015

Photo 2 of 2 : UCIP\_FA\_2015\_3748.jpg



60-inch standpipe with slide gate on WS slope with outlet in background.

LM Start	<b>1.98</b>	Rating **	U	Issue No.	<b>211</b>
LM End	<b>1.98</b>	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.059773 °	39.059773 °
				-122.004391 °	-122.004391 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44955  
DS\_ID:17151  
EP\_NO: 9391  
FS\_HLM: 2.02  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 5/4/2015 LS and WS ends are blocked with soil. Pipe is inoperable as it is.Inlet is partially filled with soil.7/16/2013 LS inlet is completely filled with soil. Needs to be cleaned out.12/16/2013 Same as last inspection.6/17/2014 Same as last inspection.  
FIELD\_STRUCT\_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959).  
FS Date: 05/05/2015

Photo 1 of 3 : UCIP\_FA\_2015\_3749.jpg



Concrete U shaped headwall at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	1.98	Rating **	U	Issue No.	211 (cont)
LM End	1.98	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.059773 °	39.059773 °
				-122.004391 °	-122.004391 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44955 DS_ID:17151 EP_NO: 9391 FS_HLM: 2.02 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/4/2015 LS and WS ends are blocked with soil. Pipe is inoperable as it is. Inlet is partially filled with soil. 7/16/2013 LS inlet is completely filled with soil. Needs to be cleaned out. 12/16/2013 Same as last inspection. 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CM drain pipe through levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on the waterward side. Concrete headwall on landward side. (Permit No. 9391 Christenson). Originally included in O+M manual (1959). FS Date: 05/05/2015					

LM Start	<b>1.98</b>	Rating **	U	Issue No.	<b>211 (cont)</b>
LM End	<b>1.98</b>	Issue Type +	En	Location *	N/A

Photo 2 of 3 : UCIP\_FA\_2015\_3750.jpg



LS view of inlet.

Photo 3 of 3 : UCIP\_FA\_2015\_3751.jpg



WS view of outlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	2.58	Rating **	M	Issue No.	1
LM End	3.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.067343 °	39.081684 °
				-122.009611 °	-122.016243 °
DWR ID	DWR_MA0012_01_s_2012_1				
Action/Comments					
Ditch					

No Photos

LM Start	3.43	Rating **	A	Issue No.	25
LM End	3.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.078165 °	39.078165 °
				-122.016040 °	-122.016040 °
DWR ID	DWR_MA0012_01_f_2015_25				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Sutter Yard burned and dragged both slopes.					

Photo 1 of 1 : FA\_2015\_MA0012\_299\_25\_20151013\_00006.jpg



View of the levee with no vegetation on both slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	3.69	Rating **	U	Issue No.	212
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.081949 °	39.081949 °
				-122.016179 °	-122.016179 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44963					
DS_ID:17154					
EP_NO: 9388					
FS_HLM: 3.777					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 5/4/2015 Slide gate stem is still bent. Gate looks to be unable to close all the way. Slide gate inoperable, but appears to be in closed position. Flap gate held in open position. Good candidate for video inspection when, if ever, dry. 7/16/2013 Water flowing through pipe so screw gate definitely not closed. Was told NOV's have been sent for owner to replace stem. Flap gate gets closed for flood season. 12/16/2013 Slide gate stem is still bent. WS flapgate was closed. 6/17/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 28.0 feet below the crown. Slide gate in 66-inch pipe riser on the waterward slope. Concrete headwall on the waterward side. Grouted cobble spillway from drain ditch to large canal on the landward side. (Permit No. 9388 Wallace) Originally included in the O+M manual (1959).					
FS Date: 05/05/2015					

Photo 1 of 2 : UCIP\_FA\_2015\_3752.jpg



Drainage ditch on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	3.69	Rating **	U	Issue No.	212 (cont)
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.081949 °	39.081949 °
				-122.016179 °	-122.016179 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44963 DS_ID:17154 EP_NO: 9388 FS_HLM: 3.777 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Slide gate stem is still bent. Gate looks to be unable to close all the way. Slide gate inoperable, but appears to be in closed position. Flap gate held in open position. Good candidate for video inspection when, if ever, dry. 7/16/2013 Water flowing through pipe so screw gate definitely not closed. Was told NOV's have been sent for owner to replace stem. Flap gate gets closed for flood season. 12/16/2013 Slide gate stem is still bent. WS flapgate was closed. 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 48-inch CM pipe through the levee, 28.0 feet below the crown. Slide gate in 66-inch pipe riser on the waterward slope. Concrete headwall on the waterward side. Grouted cobble spillway from drain ditch to large canal on the landward side. (Permit No. 9388 Wallace) Originally included in the O+M manual (1959). FS Date: 05/05/2015					

Photo 2 of 2 : UCIP\_FA\_2015\_3753.jpg



Slide gate in corrugated metal riser on WS slope.

LM Start	4.23	Rating **	M	Issue No.	213
LM End	4.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.089666 °	39.089666 °
				-122.015248 °	-122.015248 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44968 DS_ID:20717 EP_NO: N/A FS_HLM: 4.326 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Corssing appears to be in good condition. No noticeable issues to report. No permit identified for this crossing. 7/16/2013 Same as last inspection. 12/16/2013 Pump has been removed for winter. 6/17/2014 Same as last inspection. Pump reinstalled on pier. FIELD_STRUCT_DESC: 24-inch steel pipe though levee, 4.5 feet below crown. Pump in pump house on waterward bank. Siphon breaker valve installed on LS shoulder. FS Date: 05/05/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_5187.jpg



Pipe on seft side of photo.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	4.23	Rating **	M	Issue No.	213 (cont)
LM End	4.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.089666 °	39.089666 °
				-122.015248 °	-122.015248 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44968  
DS\_ID:20717  
EP\_NO: N/A  
FS\_HLM: 4.326  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 5/4/2015 Corssing appears to be in good condition.  
No noticeable issues to report.No permit identified for this crossing.7/16/2013 Same as last inspection.12/16/2013 Pump has been removed for winter.6/17/2014 Same as last inspection. Pump reinstalled on pier.  
FIELD\_STRUCT\_DESC: 24-inch steel pipe though levee, 4.5 feet below crown. Pump in pump house on waterward bank. Siphon breaker valve installed on LS shoulder.  
FS Date: 05/05/2015

LM Start	<b>4.23</b>	Rating **	M	Issue No.	<b>213 (cont)</b>
LM End	<b>4.23</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_5188.jpg



Pumping plant on WS toe.

Photo 3 of 3 : UCIP\_FA\_2015\_6236.jpg



Possible siphon breaker for pipe on LS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	4.72	Rating **	C	Issue No.	22
LM End	4.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			39.096777 °	39.096777 °
				-122.015548 °	-122.015548 °
DWR ID	DWR_MA0012_01_f_2014_22				
Action/Comments					

No Photos

LM Start	4.72	Rating **	M	Issue No.	4
LM End	4.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.096839 °	39.097455 °
				-122.015568 °	-122.015581 °
DWR ID	DWR_MA0012_01_s_2012_4				
Action/Comments					
Ditch					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	<b>5.01</b>	Rating **	U	Issue No.	<b>214</b>
LM End	<b>5.01</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.100898 °	39.100898 °
				-122.016078 °	-122.016078 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44970  
 DS\_ID:17191  
 EP\_NO: N/A  
 FS\_HLM: 5.121  
 Repair Type: Urgent  
 Crossing Status: Found  
 UCIP Comments: 5/4/2015 WS flapgate is blocked by sediment and unable to open. LS inlet is hidden by sediment and heavy vegetation and unable to be located. Needs to be cleared. Pipe is clogged at both the inlet and outlet. Good candidate for video inspection. 7/16/2013 Same as last inspection. 12/16/2013 Same as last inspection. 6/17/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 48-inch CM pipe approximately 15 feet below the crown. Concrete headwalls on both ends with an automatic drainage gate on the WS.  
 FS Date: 05/05/2015

LM Start	<b>5.01</b>	Rating **	U	Issue No.	<b>214 (cont)</b>
LM End	<b>5.01</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_6237.jpg



Concrete U shaped headwall and flap gate on WS toe.

Photo 2 of 3 : UCIP\_FA\_2015\_6238.jpg



Outlet on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	5.01	Rating **	U	Issue No.	214 (cont)
LM End	5.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.100898 °	39.100898 °
				-122.016078 °	-122.016078 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44970					
DS_ID:17191					
EP_NO: N/A					
FS_HLM: 5.121					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6239.jpg



Apparent inlet clogged with concrete or grout on LS toe in drainage swale.

LM Start	5.19	Rating **	C	Issue No.	206
LM End	5.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.103490 °	39.103490 °
				-122.016340 °	-122.016340 °
DWR ID	DWR_MA0012_01_s_2012_206				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Sutter Yard repaired the rodent hole.					

No Photos

LM Start	5.98	Rating **	M	Issue No.	215
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114949 °	39.114949 °
				-122.017946 °	-122.017946 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44973					
DS_ID:20715					
EP_NO: 13699					
FS_HLM: 6.116					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_6240.jpg



Pump with oil leakage shown on side of pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	5.98	Rating **	M	Issue No.	215 (cont)
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114949 °	39.114949 °
				-122.017946 °	-122.017946 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44973 DS_ID:20715 EP_NO: 13699 FS_HLM: 6.116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.Oil leakage around pump.7/16/2013 Same as last inspection.12/16/2013 Same as last inspection.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 20-inch soilproofed steel Stormdrain pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 24-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 13699, 1984). Replaced 18-inch pipe at same location. FS Date: 05/05/2015					

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>215 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_6241.jpg



Siphon Breaker on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2015\_6288.jpg



Pumping plant on LS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	5.98	Rating **	M	Issue No.	216
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114963 °	39.114963 °
				-122.017947 °	-122.017947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44974					
DS_ID:20716					
EP_NO: 13699					
FS_HLM: 6.117					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>216 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP\_FA\_2015\_6289.jpg



Pipes on LS slope.

Photo 2 of 3 : UCIP\_FA\_2015\_6290.jpg



Pumphouse on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	5.98	Rating **	M	Issue No.	216 (cont)
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114963 °	39.114963 °
				-122.017947 °	-122.017947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44974					
DS_ID:20716					
EP_NO: 13699					
FS_HLM: 6.117					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6291.jpg



Siphon Breaker on WS shoulder.

LM Start	5.98	Rating **	M	Issue No.	217
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114977 °	39.114977 °
				-122.017947 °	-122.017947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44977 DS_ID:17199 EP_NO: 9390 FS_HLM: 6.119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.Minor oil leak on pump.7/16/2013 Same as last inspection.12/16/2013 Same as last inspection.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 18-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 05/05/2015					

Photo 1 of 3 : UCIP\_FA\_2015\_6445.jpg



Pipe at exit from pumphouse.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	5.98	Rating **	M	Issue No.	217 (cont)
LM End	5.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.114977 °	39.114977 °
				-122.017947 °	-122.017947 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44977 DS_ID:17199 EP_NO: 9390 FS_HLM: 6.119 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Corssing appears to be in good condition. No noticeable issues to report.Minor oil leak on pump.7/16/2013 Same as last inspection.12/16/2013 Same as last inspection.6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 18-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump on waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 05/05/2015					

LM Start	<b>5.98</b>	Rating **	M	Issue No.	<b>217 (cont)</b>
LM End	<b>5.98</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP\_FA\_2015\_6446.jpg



Siphon breaker on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2015\_6447.jpg



Pump house on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	6.62	Rating **	C	Issue No.	23
LM End	7.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.123283 °	39.127985 °
				-122.022738 °	-122.022767 °
DWR ID	DWR_MA0012_01_s _ 2015_23				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Sutter Yard repaired the crown roadway.					

No Photos

LM Start	7.58	Rating **	M	Issue No.	218
LM End	7.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.137187 °	39.137187 °
				-122.022793 °	-122.022793 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44978					
DS_ID:17163					
EP_NO: 9390					
FS_HLM: 7.753					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP\_FA\_2015\_6448.jpg



Animal burrows along side of pipe LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>218 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.137187 °	39.137187 °
				-122.022793 °	-122.022793 °
DWR ID					

**Action/Comments**

Inspector Comments: FS\_ID:44978  
 DS\_ID:17163  
 EP\_NO: 9390  
 FS\_HLM: 7.753  
 Repair Type: Non-Urgent  
 Crossing Status: Found  
 UCIP Comments: 5/4/2015 Corssing appears to be in good condition.  
 No noticeable issues to report.Rodent burrowing along sides of pipe  
 on LS.7/16/2013 Same as last inspection.12/16/2013 Same as last  
 inspection.6/17/2014 Same as last inspection.  
 FIELD\_STRUCT\_DESC: 24-inch steel pipe through levee, 3.0 feet  
 below crown. Both ends capped, terminating on levee slopes. (Permit  
 No. 9390 - Profpe) Originally included in O+M manual (1959).  
 FS Date: 05/05/2015

LM Start	<b>7.58</b>	Rating **	M	Issue No.	<b>218 (cont)</b>
LM End	<b>7.58</b>	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP\_FA\_2015\_6449.jpg



Pipe on LS.

Photo 3 of 3 : UCIP\_FA\_2015\_6450.jpg



Pipe on WS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	9.03	Rating **	U	Issue No.	219
LM End	9.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158097 °	39.158097 °
				-122.021706 °	-122.021706 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44980					
DS_ID:17166					
EP_NO: 9390					
FS_HLM: 9.231					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_6451.jpg



Slidegate on WS toe.

LM Start	<b>9.03</b>	Rating **	U	Issue No.	<b>219 (cont)</b>
LM End	<b>9.03</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_FA\_2015\_6452.jpg



Tilting headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	9.03	Rating **	M	Issue No.	220
LM End	9.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158124 °	39.158124 °
				-122.021701 °	-122.021701 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44981					
DS_ID:17165					
EP_NO: 9390					
FS_HLM: 9.232					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	<b>9.03</b>	Rating **	M	Issue No.	<b>220 (cont)</b>
LM End	<b>9.03</b>	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP\_FA\_2015\_6453.jpg



headwall debris on LS toe showing evidence of 18-inch cmp.

Photo 2 of 3 : UCIP\_FA\_2015\_6454.jpg



headwall debris on LS toe showing evidence of 18-inch cmp.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	9.03	Rating **	M	Issue No.	220 (cont)
LM End	9.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158124 °	39.158124 °
				-122.021701 °	-122.021701 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44981					
DS_ID:17165					
EP_NO: 9390					
FS_HLM: 9.232					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP\_FA\_2015\_6455.jpg



Pump platform at center left of photo.

LM Start	9.29	Rating **	M	Issue No.	26
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.161847 °	39.161847 °
				-122.021895 °	-122.021895 °
DWR ID	DWR_MA0012_01_f_2015_26				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Repair the rodent holes on the landside slope.					

No Photos

LM Start	10.46	Rating **	C	Issue No.	24
LM End	10.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.173743 °	39.177968 °
				-122.014800 °	-122.014315 °
DWR ID	DWR_MA0012_01_s_2015_24				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Sutter Yard repaired the crown roadway.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	10.49	Rating **	C	Issue No.	11
LM End	10.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.173971 °	39.173971 °
				-122.014362 °	-122.014362 °
DWR ID	DWR_MA0012_01_f_2013_11				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Sutter Yard repaired the landside slope.					

No Photos

LM Start	10.92	Rating **	U	Issue No.	221
LM End	10.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.180039 °	39.180039 °
				-122.014266 °	-122.014266 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44984					
DS_ID:17157					
EP_NO: 9386					
FS_HLM: 11.16					
Repair Type: Urgent					
Crossing Status: Found					

Photo 1 of 2 : UCIP\_FA\_2015\_6456.jpg



Bent and broken actuator on slide gate in 36-inch CMP. Pipe appears to be filled with soil.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2015**

**Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.06	09/15/2015 09/15/2015	Bob Duffey

LM Start	<b>10.92</b>	Rating **	U	Issue No.	<b>221 (cont)</b>
LM End	<b>10.92</b>	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.180039 °	39.180039 °
				-122.014266 °	-122.014266 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44984 DS_ID:17157 EP_NO: 9386 FS_HLM: 11.16 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/4/2015 Both pipe ends and slide gate in riser are plugged with soil. Crossing is inoperable. Pipe plugged with soil on both ends as well as at slide gate on WS slope. Slide gate inoperable. 7/16/2013 Same as last inspection. 12/16/2013 Same as last inspection. 6/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch Corrugated metal drainpipe through the levee, 8.0 feet below the crown. Slide gate in 36-inch pipe riser on the waterward shoulder. (Permit No. 9386 - Wescott) Levee turns eastward. FS Date: 05/05/2015					

Photo 2 of 2 : UCIP\_FA\_2015\_6457.jpg



cover on 36-inch CMP standpipe on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	